

DSC-V1

Cyber-shot® Digital Still Camera



FEATURES

1/1.8" 5.0 Megapixel Effective Super HAD™ CCD

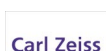


Super HAD (Hole Accumulation Diode) CCDs provide excellent image quality by allowing more light to pass to each pixel, increasing sensitivity and reducing noise.

Traditional, Yet Compact Design

A unique combination of performance and compactness, the DSC-V1 puts high performance imaging right in your hand!

▶ Carl Zeiss® Vario-Sonnar® Lens



Famous for sharpness & color accuracy, the Vario-Sonnar 4X Optical zoom lens features 8 elements in 7 groups with aspheric elements.

0 - 4.0 Smart Zoom (at VGA size)



Smart Zoom intelligently uses the full CCD to let you zoom into the portion of interest by cropping the image size—thus avoiding the image degradation of Digital Zooms.

▶ 5 Area Multi-Point Auto Focus



Evaluating 5 separate areas of the frame, Sony's Multi-Point AF system intelligently focuses on the subject, and displays the selected focus point. Alternately, choose any of the 5 points for manual control.

▶ Hologram AF™ Illuminator



Projecting a Class 1 laser pattern, Hologram AF reads the contrast between the pattern's edge and the subject for precise focus, even in low or no light.

Continuous Auto Focus



To maintain accurate focus lock with fast moving subjects, Continuous AF keeps focusing until the moment of exposure.

Multi-Pattern Measuring



Independently light-metering 49 points of the frame, Multi-Pattern Measuring establishes the optimum exposure, even when highlight and shadow isn't centered in the frame.

▶ STEP-UP FEATURE

Memory Stick® Media



Digital. Powerful. Transportable.™ Memory Stick media is compact, portable and rugged—connecting a variety of hardware and software applications.

Slow Shutter Noise Reduction



During long Twilight mode exposures, Slow Shutter NR captures the scene, and then the CCD noise pattern with a dark frame exposure. By subtracting the two, even long exposures can be clear.

14-Bit DXP A/D Conversion



Sony's 14-bit Digital EXtended Processor captures the range between highlight and shadow with up to 16,384 values, for extended dynamic contrast and detail.

▶ Manual Exposure Controls



Flexible Exposure control is provided with Aperture Priority, Shutter Priority and Manual Exposure modes. Program Shift lets you select aperture/shutter speed combinations for direct control of motion and depth of field, while still in Program AE mode.

Pre-Flash Metering

With a momentary pre-flash, the camera illuminates the subject and sets exposure through the lens for accurate flash metering. Adjustable flash level and red-eye reduction insure great flash shots.

Auto Daylight Synchro Fill Flash

When the Multi-Pattern Measuring system determines the subject is backlit or in shadow, fill flash automatically fires to provide optimum exposure.

Dynamic Flash White Balance

By evaluating the Pre-flash, white balance can be set to the color temperature of the flash for greater color accuracy.

Live Histogram Display

The live histogram displays number of pixels at each luminosity making it easy to evaluate correct exposure.

5 Megapixel (2592 x 1944) Image Size

With its high resolution CCD, the DSC-V1 captures in 4 different image sizes, Fine or Standard JPEG compression.

▶ NightShot® Infrared System



Capture infrared digital images in total darkness at up to 15 feet. By illuminating the subject with infrared light and removing the CCD's IR cut filter, the NightShot® system makes infrared digital imaging a reality.

▶ NightFraming System



To capture beautiful color images in low or no light, NightFraming illuminates the subject with the NightShot® system for proper framing, focuses with Hologram AF and lights the scene with flash.

1.5" LCD Monitor

High resolution 123K pixel design and anti-glare coating help provide excellent viewing and image playback clarity.

Multi-Burst Mode



Captures 16 320x240 frames as part of a single 1280x960 image which plays back sequentially in the camera. Selectable 1/7.5, 1/15, 1/30 second frame intervals provide convenient motion analysis.

MPEG Movie VX Mode



Captures VGA (640x480) high frame rate (16 frames per second) audio/video clips with length limited only by the capacity of the media. Video Mail mode captures smaller file sizes suitable for email.

▶ Hot Shoe and ACC Terminal

Connect Sony's HVL-F32X flash or Remote Controls with ACC terminal, or synchronize other flash units or studio lighting with the Hot Shoe terminal.

Rechargeable Infolithium® Battery

Provides reliable, long-lasting power for continuous shooting, without "memory effect". AC-LS5 adapter/ charger provides stable power for USB transfer.

ADDITIONAL FEATURES

3 Shot Burst Mode	MPEG1 Cue, Review and Divide
3 Shot Auto Exposure Bracketing	3:2 Aspect Ratio mode
Spot Auto Focus	Video Output
Adjustable Color Saturation/Contrast	3 Mode In-Camera Picture Effects
Clear Color/Clear Luminance NR	13 Step Manual Preset Focus

SPECIFICATIONS

Imaging Device: 1/1.8" 5.0 Megapixel Effective Super HAD™ CCD

Recording Media: Memory Stick® Media, Memory Stick PRO™ Media

Zoom: 4X Optical, 4X Smart Zoom (at VGA size), 16X Total

Filter Diameter: 52mm w/Adaptor

Focal Length: 7 - 28mm

35mm Equivalent: 34 - 136mm

Aperture: f2.8 - 4.0

Focus: 5 Area Multi-Point AF with Manual select, 13-step Manual Preset

Minimum Focus Distance: 15.7" (40 cm)

Macro Focus Distance: 3.9" (10 cm)

Shutter Speed: Auto, 1/8 – 1/2000 sec, Manual 30 sec – 1/1000

Manual Exposure: ±2.0 EV, 1/3 EV Steps

Color LCD: 1.5" 123K Pixels Low Temperature Polysilicon TFT

Flash Modes: Auto/Forced On/Forced Off/Slow Synchro

Red-Eye Reduction: On/Off

Flash Effective Range: 1.6 – 11.5 ft (0.5 – 3.5m)

White Balance: Auto, Daylight, Cloudy, Fluorescent, Incandescent, One-push Manual

Picture Effects: Solarize, Sepia, Negative Art

ISO: Auto, 100, 200, 400, 800

Scene Modes: Twilight, Twilight Portrait, Portrait, Landscape, Beach, Snow

Self Timer: Yes, 10 Seconds

Video Output: Yes NTSC/PAL Selectable

Still Image Modes: JPEG (Fine/Std.), TIFF, Burst, Auto Bracketing, Email, Voice Memo

MPEG Movie Modes: MPEG VX (640x480, 16fps, with audio) MPEG Video Mail (160x112, 8 fps with audio)

Clip Motion: Normal (160x120), Mobile (80x72)

Microphone/Speaker: Yes/Yes

USB Terminal: Yes, Supports USB 2.0

Memory Stick PRO™ Media Compatibility: Tested to support up to 1GB media capacity; does not support high speed transfer function; does not support Access Control security function

Battery Type/Capacity: InfoLithium® NP-FC11 780 mAh Rated

Supplied Software: Pixela™ Image Mixer Software for Sony v1.5, USB Driver SPVD-008

OS Compatibility: Microsoft® Windows® 98/98SE/Me/2000 Professional/XP Home/Pro; Macintosh® OS 8.5.1/8.6/9.0/9.1/9.2

Supplied Accessories: NP-FC11 InfoLithium® Rechargeable Battery, AC-LS5 AC Adaptor/In-camera Charger, A/V and USB Cables, Wrist Strap, MSA-32A 32MB Memory Stick® Media; Software CD-ROM

Dimensions (W/H/D): 3 15/16" x 2 9/16" x 2 1/5" (99 x 65.2 x 56.9 mm)

Weight: 10.9 oz (298g) (w/Battery, Memory Stick® Media, Strap)



JPEG Still Image Mode

Fine/Standard Picture Quality

Memory Stick® Media¹	2592x1944 (5MP)	2592x1728 (3:2)	2048x1536 (3MP)	1280x960 (1MP)	640x480 (VGA)
16MB	6/11	6/11	10/18	24/46	97/243
32MB	12/23	12/23	20/37	50/93	196/491
64MB	25/48	25/48	41/74	101/187	394/985
128MB	51/96	51/96	82/149	202/376	790/1,975
Memory Stick PRO™ Media¹					
256MB	92/174	92/174	148/264	357/649	1,428/3,571
512MB	188/354	188/354	302/537	726/1,320	2,904/7,261
1GB	384/723	384/723	617/1,097	1,482/2,694	5,928/14,821

MOTION CAPTURE MODES

Maximum Recording Time (minutes/seconds)

Memory Stick® Media	MPEG Movie		Clip Motion (Images)		16 Frame Multi-Burst
	640x480 (VX Mode)	160x112 (Mail Mode)	160x112 (Normal-10f)	80x72 (Mobile-2f)	1280x960 (Fine/Std)
16MB	42sec	11m 13s	88	486	24/46
32MB	87sec	22m 43s	178	982	50/93
64MB	176sec	45m 40s	358	1,971	101/187
128MB	5m 54s	91m 34s	718	3,951	202/376
Memory Stick PRO™ Media					
256MB	10m 41s	165m 35s	1,190	3,571	357/649
512MB	21m 44s	336m 43s	2,420	7,261	726/1,320
1GB	44m 23s	687m 19s	4,940	14,821	1,482/2,694

BATTERY LIFE (Approx)

Battery Fully Charged	Recording-# Shots* LCD On/Off	Recording-Minutes* LCD On/Off	Viewing** No. Images/Batt. Life
NP-FC11	170/230	85min/120min	3600/180min

*Under Average Conditions:

Normal Mode (JPEG), Picture quality Fine; Shooting each image at 30 second intervals; Zoom is alternated from Wide to Telephoto ends; Flash operated every other shot; Power is turned on/off after every 10 shots; Actual results may vary on conditions of use.

**Viewing single images consecutively, at about 3 second interval.

OPTIONAL ACCESSORIES

ACC-CSFC Starter Kit (LCS-CSFC, NP-FC11, MSAC-A8)
NP-FC11 InfoLithium® Battery
AC-LS5 AC Adaptor/In-camera Charger
LCS-VHA Deluxe Soft Leather Carrying Case
LCS-VHB Deluxe Semi-Soft Carrying Case
LCS-CSB Sport Style Carrying Case
LCS-CP2 General Carrying Case
HVL-F32X External Auto-Programmable Flash
HVL-F1000 External Flash

VCL-DEH07V Hi-grade Wide End Conversion Lens with adaptor
VCL-DEH17V Hi-grade Tele end Conversion Lens with adaptor

MSA-32A, MSA-64A, MSA-128A Memory Stick® Media
MSA-128S2 Memory Stick® Media with Select Function (256MB total)
MSX-256, MSX-512, MSX-1G Memory Stick PRO™ Media
MSAC-HGA8 Memory Stick® Media Carrying Case
MSAC-US70 Memory Stick PRO™ Media USB Adaptor/Mouse
MSAC-US20 Memory Stick PRO™ Media USB Adaptor
MSAC-PC3 Memory Stick PRO™ Media PC Card Adaptor
VMC-14UMB Replacement USB Cable
RM-VD1 Multi-Function Wired Remote Control
VCT-D680RM Remote Control Tripod
VCT-R640 Lightweight Tripod
VCT-MTK Travel Tripod

SONY

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¹ Available storage capacity of Memory Stick and Memory Stick PRO media may vary. A portion of the memory is used for data management functions.